



SPECIFICATION

Version No.: V2.0

常州昊翔电子有限公司
 Changzhou HaoXiang Electronic Co., LTD
 客户名称
 CUSTOMER NAMED : _____
 产品名称
 COMMODITY : Speaker
 产品型号
 MODEL NO : TDA-25CC4U78
 客户料号
 PART NO : _____

审核	秦皓	主办	唐俐雅 May.30,2019
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客户承认栏			
承认		拒收	

常州昊翔电子有限公司

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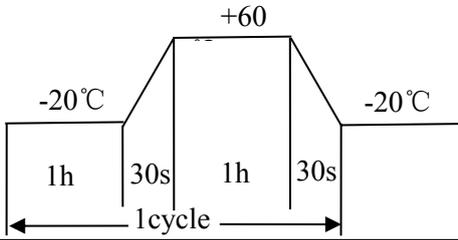
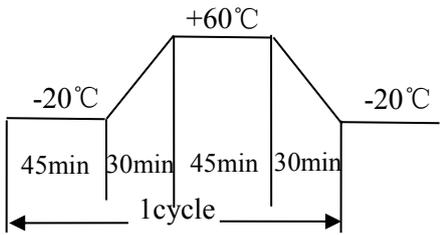
A. MODEL: TDA-25CC4U78

B. SPECIFICATION

Test condition: Temperature: 15~35°C Related Humidity:25~75% (GB/T9396-1996)

No.	Item	Specification	Condition
1	Dimension	φ 25xH7.8mm	
2	Impedance	4 ± 15%Ω	
3	Output Sound Pressure Level	90 3dB(0.1Watt,0.1Meter)	At 0.8, 1.0, 1.2, 2.0KHz in average
4	Response Frequency	300 ± 20% Hz	
5	Frequency Range	F0~20KHZ	Average SPL -10dB
6	Distortion	≤5%	At 0.1W ,0.1M
7	Power Rating	Normal: 2.5W Maximum: 3W	Sine wave
8	Operating temperature	- 20 ~ + 60°C	
9	Storage temperature	- 20 ~ + 60°C	
10	Abnormal Sound test	Must be Normal Tested By 3.16V. Sine Wave at F0~3KHz /3 second.	
11	Weight	11g	
12	Polarity	Diaphragm shall move Forward while Apply a Positive DC Signal to the “+” or “Marked” Terminal.	
13	RoHS	The Speaker is RoHS compliant.	

C.ENVIRONMENT TEST

No.	Item	Condition	Evaluation standard
1	High Temperature	After being placed in a chamber at +60 ± 2°C for 96 hours	Being placed for 4 hours at room temperature, speaker shall be measured. SPL should not deviate by ± 5 dB, and nor any significant damage.
2	Low Temperature	After being placed in a chamber at -20 ± 2°C for 96 hours.	
3	Humidity	After being placed in a chamber at +40 ± 2°C and 90~95%(RH) Relative Humidity for 96 hours.	
4	Heat shock test	The part shall be subjected to 5 cycles. One cycle shall be consist of: 	
5	Temperature Cycle test	The part shall be subjected to 5 cycles. One cycle shall be consist of: 	

D. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Drop Test	Mounted with dummy set mass:100g Height :70cm Cycle:6(each plain) onto concrete board	SPL shall not deviate by ± 5 dB from pre-test measurement, and nor any significant damage.

E.RELIABILTY TEST

No.	Item	Test conditions	Evaluation standard
1	Load test	Pink noise with HPF 3.16V 96 Hours.	After test, SPL shall not deviate by ± 5 dB from pre-test measurement,and nor any significant damage .

F. MEASURING METHOD(SPEAKER MODE)

F-1.Test Condition

(a)STANDARD:

Temperature : 15 ~ 35°C, Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar

(b)JUDGEMENT:

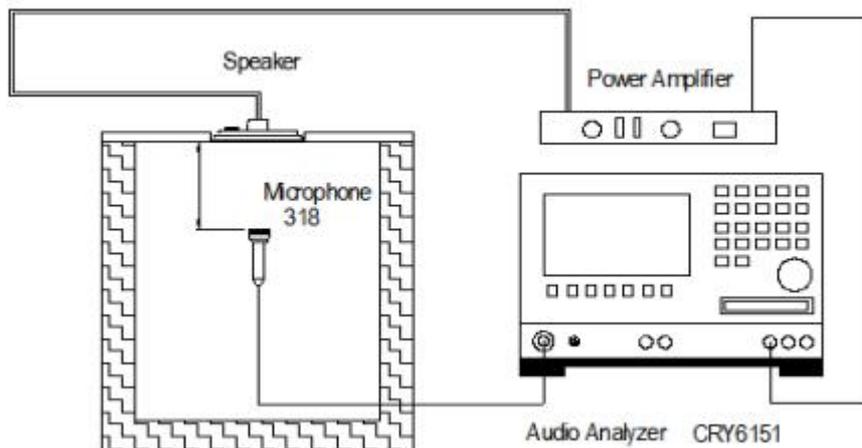
Temperature : 20 ± 3 °C, Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

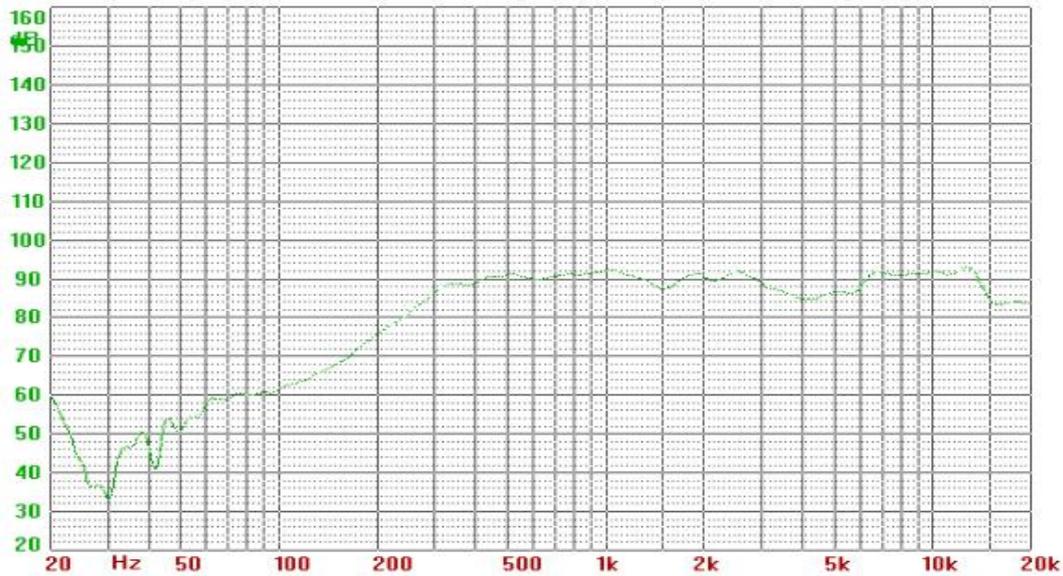
F-2.Standard Test Fixture

- 1.Input Power :0.1W
- 2.Zero Level : -dB
- 3.Mode : TSR
- 4.potentiometer Range : 50dB
- 5.Sweep Time : 0.5sec

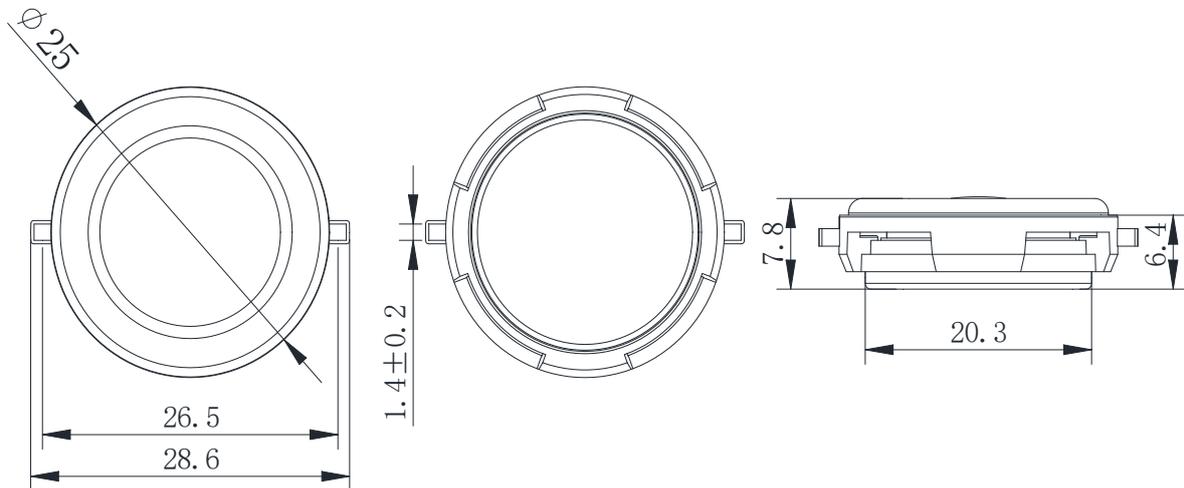
Standard test condition of speaker



G.FREQUENCY CURVE



H.APPEARANCE DRAWING



Unit:mm Tolerance : ± 0.5 mm

I. NOTICE ON PRODUCT STORAGE

a. Please store the products in room where the temperature / humidity is stable. And avoid such places where there are large temperature changes. Please store the products under the following conditions :

Temperature : -10 to +40 (degree C)

Humidity : 15 to 85% R.H.

b. Expire date (Shelf life) of the products is 6 months after delivery under the conditions of a sealed and an unopened package. Please use the products within 6 months after delivery.If you store the products for a long time (more than 6months), use carefully because the products may be degraded in the solder-ability and/or rusty.

Please confirm solder-ability and characteristics for the products regularly.

C. Please use the products immediately after the package is opened, because the characteristics may be reduced in quality, and/or be degraded in the solder-ability due to storage under the poor condition.

